at least one output heat transfer element in thermal contact with the input heat transfer elements and exposed to an ambient temperature environment to transfer thermal energy between the product mass and the ambient temperature environment.

Claim 4.(Amended) The apparatus of Claim 1 further comprising a pan wherein the mass of product is in the pan, the pan having a bottom, at least one of said input heat transfer elements contacting the bottom of the pan.

Claim 22.(Twice Amended) An apparatus for rapidly changing the temperature of a mass of product, comprising:

a plurality of product contacting input heat transfer elements for insertion within the mass of product, the input heat transfer elements being fins having first and second major fin surface areas, the fin surface areas of said input heat transfer elements being generally parallel:

a plurality of output heat transfer elements in thermal contact with the plurality of input heat transfer elements and an ambient temperature environment to transfer thermal energy between the product mass and ambient temperature environment, the output heat transfer elements being fins having first and second major fin surface areas, the fin surface areas of said output heat transfer elements being generally parallel each other and generally parallel to the fin surface areas of the input heat transfer elements, no heat source being physically mounted to the apparatus.

Claim 23.(Twice Amended) An apparatus for rapidly changing the temperature of a mass of product, comprising:

a plurality of product contacting input heat transfer elements for insertion within the mass of product;

a plurality of output heat transfer elements in thermal contact with the plurality of input heat transfer elements and to an ambient temperature environment to transfer thermal energy between the product mass and ambient temperature environment, the input and output heat transfer elements formed of an single extruded body of aluminum, no heat source being